

A Contribution to the Theory of Signal Distortions
Through Non-Linear Characteristic Curves, by
E. Augustin, 11 pp.

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ID 2240850

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H-1/64 Reimb

Output Amplifier for CF and TV in Radio Relay RVG 958,
by J. Hitloff, /C *AD*

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Sci - Elec
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P. Neidhardt, 22 pp.
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Electrometric Measurements, by G. Schubert.
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FTD-TT-64-30

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Oscillographic Measurement of Switching and
Storage Time, by F. Bening, 11 pp.
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5 PP.

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The Nature of Information, Its Processing, Transmission,
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GERMAN, per, Nachrichtentechnik, Vol XIII, No 10,
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ACSI I-5428
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Antennas Through the use of Ground Reflection,
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1964, pp 245-250. 9090727
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ID 2204044865

Sci - Elec
Jan 66

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Investigation of Electrolytically Separated
Microwave Conducting Layers, by M. Matok, 18 pp.
GERMAN, per. Hochrichtentechnik, No 7, 1964,
pp 259-263. P100362467
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A New Measuring Head for the Determination of Points
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The Manufacture and Constancy of Chromium-
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GERMAN, per, Nachrichtentechnik, Vol XIV, No 9,
1964, pp 349-352. 9698259
FSTC 381-T65-326

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The Eigen Capacity of Piezoelectric Transducers
for Electroacoustic Purposes, on Their Sensitivity,
by H. Pfau.

GERMAN, per, Machrichtentechnik, No 9, 1964,
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FTD II-65-820 24-pp 969845.2

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Feedback Mixer-Divider, Performance at Wideband
Operation Design and Compensation, by Simon.
GERMAN, per, Nachrichtentechnik, No 11, 1964.
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Sci - Eng
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Various Results in the Field of
Optoelectronics, by B. Paszkowski, 14 pp.
GERMAN, per, Nachrichtentechnik, No 11,
1964, pp 411-416. 9699040
FTU-TT-65-1164

Sci - Elec
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Research on Correlation Modulation, by W. T. Muller,
GERMAN, per, Nachrichtentechnik, No 11, 1964, *15pp.*
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6 JPRS/SF-3490/Special

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The Regenerative Frequency Divider-Behavior in
Wide-Band Operation, Design and Balancing, by
R. Simon, *23 pp.*
GERMAN, per, Nachrichtentechnik, No 11, 1964,
pp 427-432. P100104466 P100099266
FTD-TT-65-1733

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Substitute Switching of Transistors in
Non-Isothermal Operation, by R. Paul.
FOR OFFICIAL USE ONLY
GROW, per, Nachrichtentechnik, Vol XIV,
No 12, 1964. 9698170
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Sci - Elec
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1. Semiconductor Block Method-One Way To Set Up
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2. New Logical Switching in Diode-Transistor Technique,
by D. Armgarth, pp 447-451
3. Emission-Microscopic Representation of Semiconducting
Materials and Ore-Minerals With Specific Resistance Up
To About 10^6 . cm^4 , by U. Heisig, H. Jager, D. Wolf,
pp 451-458
Nachrichtentechnik, Dec 1964, Vol 14, No 12

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Structure of Exchange Wystems Having Cross-bar
Switches, by A. Hardt.
GERMAN. per, Nachrichtentechnik, Vol 14, No
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The BWR-X 10 Weather Radar Installation
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Mechanics Leipzig, by F. Mueller,
K. Wagner, 8 pp.
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FOR OFFICIAL USE ONLY
GERMAN, per, Nachrichtentechnik, Vol XIV,
No 12, 1964, pp 441-455. 9698170
ESEC 381-168-266

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New Logical Design in Diode-Transistor
Technology, by D. Aragarth, 27 pp.
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GERMAN, per, Nachrichtentechnik, Vol XIV,
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**The Fundamental Concepts of Information
Theory, by H. Ploty
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NTC 69-10612-09D**

**Sci-H~~is~~c
July 69**

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**Assignments of the Wave Propagation Laboratories
of the Central Radio and Television Office RFZ
of the East German Post Office DP at Kolberg
Near Berlin, by U. Kuhn, F. Taumer, 12 pp.
GERMAN, per, Nachrichtentechnik-Elektronik,
Vol XIV, No 4, 1964, pp 184/-189.
JPRS 25249**

**EE-Germany
Econ
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Model BWR-X 10 Weather Radar of the VEB
Funktechnik Experimental Plant in Leipzig,
by F. Mueller, R. Wagner, 8 pp.
GERMAN, per, Nachrichtentechnik Elektronik
Vol XIV, No 6, 1964, pp 235-238.
JPRS 25782

EE-Germany
Econ
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What Possibilities Are Offered by Pseudo Resistance
Measurements of Barrier Layers? by H. L. Rath, 30 pp.
Handwritten: Nachrichtentechnik
GERMAN, per, Nachrichtechn Fachber, Vol V, 1956, pp15-26.

Handwritten: AEC/SCL Tr 168

Sci - Physics
Apr 56

Handwritten: 61,791

Pulse Code Modulation for Carrier Frequency
Transmission, by G. Boese, 12 p.

GERMAN, per, Nachrichtentechnische Fachberichte,
1957, Vol VI, No 2, pp 16-18.

SLA 59-20918

Sci
Apr 60
Vol III, No 2

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Broad Band Antennas, by H. Meinke,

Re: 11
GERMAN, Nachrichtentechnische Fachberichte (NTF)
Beiheft der NTZ, No 12, 1958, pp 69-76.

*~~TS~~ F-TS-9985/V
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Sci- Electronics
Telecom IC 40560

Holzwarth, H.
SINGLE-SIDE-BAND MODULATION IN DIRECTIONAL
RADIO. [1962] 15p.
Order from SLA \$1.60

62-16595

Trans. of Nachrichtentechnische Fachberichte (West
Germany) 1960, v. 19, p. 86-91.

DESCRIPTORS: Radio signals, *Radio broadcasting,
*Frequency modulation, Modulation, Radio interference,
Noise (Radio), *Side-bands, Voice communication sys-
tems, Communication systems.

(Physics - Wave Propagation, TT, v. 9, no. 6)

62-16595

1. Holzwarth, H.

Office of Technical Services

Parametric Amplifier With Three Signal Frequencies,
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GERMAN, per, Nachrichtentechnische Fachberichte,
Vol XXI, 1960, pp 45-48.

Patent Office

Sci - Elec

Jul 63

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The Reciprocity Theorem and Its Application to
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GERMAN, par, Maschinen-technische Fachberichte,
Vol. II, 1961, pp 11-14.

Navv Tr 3398/USML 29

Sci - Math & Data Process
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Rohwer, K.
A TRAVELING-WAVE TUBE FOR 3 KILOWATT
CONTINUOUS POWER IN THE RANGE OF DECI-
METER WAVES (Eine Wanderfeldröhre für 3kW
Dauerleistung im Gebiet der Dezimeterwellen).
[1963, 10]p. (foreign text included) 1 ref.
Order from SLA \$1.10 63-18352

Trans. of Nachrichtentechnische Fachberichte
(West Germany) 1961, v. 22, p. 1-3.

DESCRIPTORS: *Traveling-wave tubes, High frequency,
Coupling circuits, Attenuators, Design, Operation.

(Engineering--Electronic, IT, v. 10, no. 8)

63-18352

I. Rohwer, K.

Office of Technical Services

The Design of Electroacoustic Transducers by the
use of Analog Purely Electrical Networks, by
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GERMAN, per, ^{of} Nachrichtentechnische Fachberichte,
No 26, 1962, pp 37-64.

*Navy/USRL

Sci - Electron
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The Geochemistry of Selenium. 2. by
V. Goldschmidt, L. Strock.
GERMAN, per Nachr. Ges. Wiss. Göttingen,
Vol. 1, 1935, pp 123-142
CSIRO/No. 7643

Sci -
Aug 67

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Contributions to the Technique of Dense
Standard Frequency Spectra, by Hans J. Grisse,
36 pp.

GERMAN, per, Nachrichtentechnische Zeitschrift
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OTS 60-16586

Sci

188, 930

30 Mar 62

TT-64-14637

Barlow, P.
LINEARITY TOLERANCES IN DISCRIMINATOR
CIRCUITS ESPECIALLY IN BROADBAND MICROWAVE
F M RADIO LINK SYSTEMS. [1963] [37p] 14reels
Order from SLA \$3.60 TT-64-14637

I. Barlow, P.

Trans. of [NTZ: Nachrichtentechnische Zeitschrift]
(West Germany) 1952, v. 3, no. 2, p. 67-78.

DESCRIPTORS: *Discriminators, *Circuits, Mathe-
matical analysis, Broadband, Frequency modulation.
*Microwave communication systems, Design, Radio
communication systems.

(Engineering--Electronic, TT, v. 11, no. 9)

Office of Technical Services

62-18159

Fährlich, H. and Schaaf, W.
APPARATUS AND CIRCUIT REQUIREMENTS IN AUTO-
MATIC TELEGRAPH SYSTEMS. [1962] 15p. (figs.
tables refs. omitted).
Order from SLA \$1.60

I. Fährlich, H.
II. Schaaf, W.

62-18159

Trans. of [NTZ; Nachrichtentechnische Zeitschrift]
(West Germany) 1952, v. 5, no. 6, p. 387-396.

DESCRIPTORS. *Circuits, Automatic. *Telegraph sys-
tems. *Communication equipment. *Networks, Traffic.
Volume.

(English in English) 11, v. 9, no. 10)

Office of Technical Services

62-20347

Steinbuch, K.
ELECTRONIC SWITCHING ELEMENTS IN THE
EXCHANGE TECHNIQUE. [1962] 15p. (figs. omitted).
Order from SLA \$1.60 62-20347

I. Steinbuch, K.

Trans. of [NTZ; Nachrichtentechnische Zeitschrift
(West Germany) 1952, v. 5, no. 8, p. 349-356.

DESCRIPTORS: *Telephone communication systems,
Telephone equipment, Electronic equipment, *Electronic
switches, Electron tubes, *Discharge tubes, *Cold
cathode tubes, *Variable resistors, *Thermistors,
*Thyratrons, *Transistors, *Memory devices,
*Switching circuits.

Modern electronic switching elements which may become
important for the exchange technique are described from
the standpoint of their application in switching, and a
few characteristic switching combinations were examined.

(Author)
(Engineering--Electronic, TT, v. 10, no. 1)

Office of Technical Services

Lennertz, J. and others.
EXPERIMENTAL PERFORATED TAPE OPERATION.
[1962] 11p. (figs. omitted).
Order from SLA \$1.60

62-18491

Trans. of [NTZ Nachrichtentechnische Zeitschrift] -
(West Germany) 1952, v. 5 [no. 8] p. 372-377.

DESCRIPTORS: *Communication theory, *Teletype
systems, *Telegraph equipment.

(Research Methods - Communication Theory, TT,
v. 10, no. 2)

62-18491

1. Lennertz, J.

Office of Technical Services

63-14405

Schulz, E., Wild, W. and others.
A DIRECTIONAL RADIO SYSTEM WITH PULSE-
PHASE MODULATION FOR 12 AND 24 TELEPHONE
CHANNELS. PTS. C. HIGH FREQUENCY EQUIP-
MENT. D. THE ANTENNA SYSTEM. (Ein Richtfunk-
system mit Pulsphasenmodulation zur Übertragung von
12 und 24 Fernsprechkkanalen. C. Das Hochfrequenz-
gerat. D. Die Antennenanlage). [1963] 40p.
Order from SLA \$3.60 63-14406

I. Schulz, E.
II. Wild, W.

Trans. of [NTZ: Nachrichtentechnische Zeitschrift]
(West Germany) 1952 [v. 3] no. 10, p. 456-467.

DESCRIPTORS: *Radio communication systems,
*Radio equipment, *Antennas, Antenna configurations,
Electric cables, Coaxial filters, Multiplex, Filters
(Electromagnetic wave), Attenuation, Transmitter-
receivers, Direction finding, Multichannel telephone
systems, High frequency, Lens antennas, Parabolic
antennas.
(Engineering--Electronic, TT, v. 10, no. 6) (over)

Office of Technical Services

Behling, Hans.
INPUT CIRCUIT AND IF AMPLIFIER OF A
24-CHANNEL PULSE-PHASE-MODULATION SYS-
TEM (Eingangsschaltung und ZF-Verstärker einer
24-Kanal-Anlage mit Impulsphasenmodulation). [1963]
[37] p. (foreign text included) 14 refs.
Order from SLA \$3.60 63-14431

Trans. of ~~IEEE~~ *Nachrichtentechnische Zeitschrift*
(West Germany) 1952 [v. 5] no. 11, p. 502-511.

DESCRIPTORS: *Intermediate frequency amplifiers,
Amplifiers, *Circuits, *Pulse modulation, Trans-
formers, Band-pass filters, Discriminators, Design,
Construction, *Phase modulation, Multiplex.

This report deals with general aspects for the develop-
ment of an input circuit and an IF amplifier for a
24-channel pulse-phase-modulation system. Practical
construction of the amplifier is described; pertinent
data and curves are included. (Author)

63-14431

I. Behling, H.

(Engineering--Electronic,
TT, v. 10, no. 7)
Office of Technical Services

Grimesa, G.
NEW AUXILIARY PERFORATED TAPE EQUIPMENT
FOR PAGE TELEPRINTERS. [1962] 10p. (figs. refs.
omitted).

Order from SLA \$1.10

62-16970

Trans. of [NTZ: Nachrichtentechnische Zeitschrift]
(West Germany) 1952, v. 5, no. 12, p. 545-550.

DESCRIPTORS: Teletype systems, Teletype equip-
ment, Printing, Tapes, Data transmission systems.

Auxiliary devices for producing and transmitting
perforated tapes recently developed for the Lorenz
page printer are described. Their working procedure
is explained in detail. (Author)

(Research Methods--Communication Theory, TT,
v. 10, no. 6)

62-16970

I. Grimesa, G.

Office of Technical Services

Westerveld, F.
NEW RAPID SELECTOR. [1962] 6p. (figs. [refs.]
omitted).
Order from SLA \$1.10

63-10046

Trans. of [NTZ; Nachrichtentechnische Zeitschrift]
(West Germany) 1953, v. 6, no. 4, p. 163-168.

DESCRIPTORS: *Channel selectors, *Switching
circuits, *Rotary switches, Automatic, Couplings,
Construction, Operation.

(Engineering--Electrical, TT, v. 10, no. 11)

63-10046

I. Westerveld, F.

Office of Technical Services

Seiffert, K. W.
OSCILLOGRAPHIC REPRESENTATION OF DISTORTION
OF TELETYPE SIGNALS. [1962] 8p. (figs. formulae
refs. omitted).
Order from SLA \$1.10

62-20348

Trans. of [NTZ; Nachrichtentechnische Zeitschrift]
(West Germany) 1953, v. 6 [no. 5] p. 214-217.

DESCRIPTORS: *Teletype systems, *Telegraph signals,
Distortion, Oscillation, Test methods, Test equipment
(Electronics), *Oscillographs, Communication theory.

The distortions of teletype signals have principally
been measured by instruments using the stroboscopic
method. Now measuring methods have been developed
indicating the distortion factor by means of a cathode
ray oscillograph. Beginning with the fundamental
criteria being valid for measuring the general distortion
factor as well as the relative distortion factor, known
and new measuring methods are described. (Author)

62-20348

I. Seiffert, K. W.

(Research Methods--Communi-
cation Theory, TT, v. 10,
no. 1)

Office of Technical Services

62-20349

Schulz, Hermann.
CONTRIBUTION TO THE PROBLEM OF DISTORTION
AND ITS DEFINITION IN TELEGRAPHY. [1962] 6p.
Order from SLA \$1.10 62-20349

I. Schulz, H.

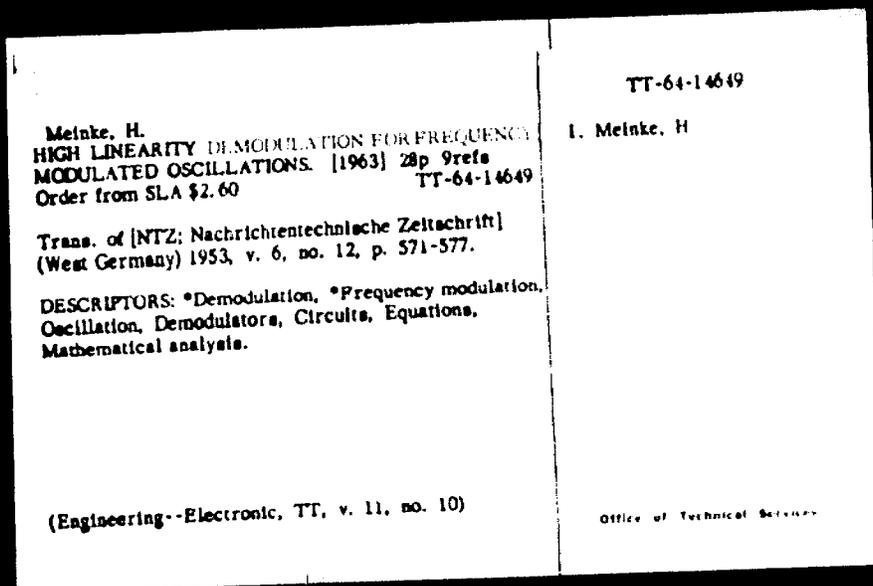
Trans. of [NTZ; Nachrichtentechnische Zeitschrift]
(West Germany) 1953, v. 6, no. 9, p. 413-416.

DESCRIPTORS: *Telegraph signals, Reliability,
Distortion, Determination, Communication theory.

The degree of distortion of rhythmic and arhythmic
telegraph systems is defined. Standard definitions are
critically discussed. A survey is made of various types
of distortion. (Author)

(Research Methods--Communication Theory, TT, v. 10,
no. 1)

Office of Technical Services



<p>Schmidt, K. O. SOME OBSERVATIONS CONCERNING SPEECH- SECURITY EQUIPMENT (einige beträchtliche zu Sprach-Verschlüsselungsanlagen). [1960] 17: 3a refs. Order from MDF 59.00 MDF S-171</p> <p>Trans. of [NTZ, Nachrichtentechnische Zeitschrift] (West Germany) 1954 [v. 7] no. 2, p. 57-64.</p> <p style="text-align: center; font-size: 2em;">141,179</p>	<p style="text-align: center;">61-12061</p> <ol style="list-style-type: none"> I. Voice communication system... II. Friedman, Merrie D., Inc., West Newton, Mass. <p style="text-align: center;">Office of Technical Services</p>
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Salow, H.
MODERN PERFORMANCE DATA OF TRANSISTORS
AND RESULTING POSSIBILITIES OF APPLICATION TO
TELEPHONE SYSTEMS. [1962] 8p. (figs. formulae
refs. omitted).
Order from SLA \$1.10

62-20350

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] —
(West Germany) 1954 [v. 7, no. 7] p. 327-333.

DESCRIPTORS: *Telephone communication systems,
Telephone equipment, Telephone repeaters, *Transistor
amplifiers, *Push-pull amplifiers, Circuits, Semi-
conductor devices, *Transistors, Physical properties,
Stability, Operation.

The physical-technical properties of the crystal ampli-
fier or transistor and its quadripole characteristics are
represented. The output data, which were obtained on
(Engineering--Electronic, TT, v. 10, no. 1) (over)

62-20350

I. Salow, H.

Office of Technical Services

Statistical Investigations of Short Wave
Transmission Paths, by W. Fronjäger, K. Vogt, 9 pp.

GERMAN, no per, HTZ, Vol VIII, No 3, 1955,
pp 165-167.

US Dept of Commerce
Dr. Wallace R. Brode, Assoc Dir
Natl Bureau of Standards

Sci - Physics
Mar 1957 CTS/ax

44, 724

Reflecting and Disc Antennas for Decimeter Waves,
by G. Trentnini.

GEMIAN, per, Nachrichtentechnische Zeit, Vol 8,
No 11, 1955, pp 569-577.

NIL Ref:5207 (Lab Trans 1386)

Sci-Mav
Feb 70

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Echo Scouting of the Ionosphere With Variable
Frequency at Oblique Incidence, by Walter Ditzinger,
Karl-Heinz Geisweid, Hans-Georg Möller, 26 pp.

GERMAN, ^{NO} per, NTZ, Vol VIII, No 11, 1955, pp 578-
586.

US Dept of Commerce
Dr. Wallace R. Brode, Assoc Dir
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Sci - Physics
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Damping Measurements of Coaxial Cables by
Measurement of the Input and Output Voltages in
the Frequency Range From 300 to 1,000 Mc/S.,
by E. Scheffler, U. Queck.

GERMAN, per, NTZ, Vol IX, No 2, 1955, pp 60-62.

T.I.L. T-4724

Sci - Physics; Electronics

48,256

The Most Favorable Current or Field Distribution
With Flat Top and End Fire Array With Continuous
Illumination, by A. Heilmann.

GERMAN, per, Nachrichtentech Z., No 1, 1956, pp 1-9.

ACSI, H-3365, A
ID 2158106

Fci - Espz Electron

140,009

Feb 61

A. The Most Favorable Current or Field Distribution With Flat Top and End Fire Array With Continuous Illumination, by A. Heilmann; B. Carrier Frequency Installations for Cables, Overhead Lines and Radio Channels, by H. Hanneman, H. Piechatzek; C. The Frequency Band Recorder, by H. Fleischer, H. Widdra; D. New Devices for the Determination of the Static Distribution of Irregular Electric Processes, by J. Grosskopf, K. H. Kapelhoff, G. Kopte; E. Radio Telescope in the Eifel Mountains,

GERMAN, per, ~~NA~~ Nachrichten Technische Z, No 1, 1956, pp 1-18, 21-28, 34-39, 47.

~~XXXXXXXX~~ *519th MI Bn, H-3365

Sci - Electron Mar 59

Carrier Frequency Installations for Cables, Overhead
Lines and Radio Channels, by H. Rammann, H.
Piechatschek.

GERMAN, per, Nachrichtentech Z, No 1, 1956, pp 10-18.

ACSI, H-3365, B
ID 2158106

Sci - Electron

Feb 61

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